Leo J. Hickey

Botany

NATIONAL

Made in U. S. A.

THIS BOOK CONTAINS EYE-EASE PAPER

"Easy on the Eyes"

53-[illegible] D45

S. 1964

North Dakota

White Butte.

1. Eriogonum flavum Ca 6 Co 0 A 9 G 3:1 umbel (Polygonaceae)
2. Eriogonum multiceps
3. Linum sulcatum Linaceae
4. Hedeoma richardsonii Ca (5) Co 5 A 5 G (2:1) Par Saxifragaceae
5. Bouteloua gracilis Blue grama grass. Graminae.
6. Campanula rotundifolia (Campanulaceae) Bluebell.
7. Polygala alba Ca 2 Co 3 5 A 8 G (2:2) var. White Milkwort Polygalaceae.
8. Opuntia polyacantha - Prickly Pear.
9. Mammillaria vivipara - Ball Cactus
10. Plantago spinulosa - Branched Plantain
11. " purshii - Prairie Plantain
12. Juniperus communis var depressa
13. " horizontalis

16 - 17 - 26 - 28 - 29 - 30 - 34 - 40 - 46 - 51 - 52 - 53 - 60
61 - 63 - 71 - 81

North Dakota

Butte in Section 20.

1. Equisetum Canscanum
2. Eriogonum flavum Polygonaceae
3. " E. multiceps
4. Kuckeria richardsonii
5. Juncus sp.
6. Populus deltoides.
7. Opuntia Polyacantha

16-26-29-30-34-40-61-63-71-81

North Dakota

Brazil

1. Sphaeralcea Coccinea Red Mallow
Ca 5 Co (5) A (m) G (af 5:5)

2. Stylosanthes Candidum
White Brazil Clover (Leguminosae)
Ca (5) Co (5) A (5) G. 1 many

3 Linum Lewisii - B Lewis Wild Flax.

4. Stipa Comata - Needle & Thread Grass.

5. Hordeum jubatum - Barley Grass.

6. Agropyrum Cristatum - Crested Wheat Grass

Plant Number.

14 - 15 - 16 - 18 - 25 - 26 - 28 - 29 - 30 - 40

47 - 48 - 49 - 50 - 51 - 52 - 53 - 58 - 61 - 63 - 64

71 - 73 - 81

Riparian Woodland.

1. Fraxinus pennsylvanica var lanceolata Green Ash.
2. Thalictrum dasycarpum Ranunculaceae Purple Meadowrue
3. Symphoricarpos occidentalis Wolfberry. (Caprifoliaceae)
4. Shepherdia argentea - Silver Buffalo Berry. Elaeagnaceae
5. Elaeagnus angustifolia Russian Olive Elaeagnaceae.
6. Populus tremuloides - Quaking Aspen Salicaceae
7. Populus sp.

26 - 28 - 36 - 34 - 56 - 57 - 63 - 76 - 71 - 80

Badlands. (White River)

1. Fritillaria atropurpurea - Leopard Lily.
2. Opuntia polyacantha
3. Oenothera albicaulis (Dumbo Lilly)
   Onagraceae.
4. Spartina pectinata - Prairie Cordgrass. (Grass)
4. Juniperus horizontalis

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21. - 26 - 29 - 30 - 33 - 34 - 46 - 60 - 61 - 63
66 - 70 - 71 - 80 - 81

Badlands. Little No.

1. Cystopteris fragilis Bladder Fern (Pteridophyta
2. Juniperus Communis var depressa Pinaceae.
   Dwarf Juniper
3. Juniperus scopulorum - Rocky Mountain
   Red Cedar
4. Juniperus horizontalis - Creeping Cedar

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10. - 14 - 15 - 16 - 18 - 22. - 23 - 24. - 26 - 29 - 30

32 - 35 - 40 - 54 - 57 - 61 - 63 - 66 - 71 - 80 - 81

Grant H. Morton Co.

1. Juniperus horizontalis

14 - 15 - 16 - 18 - 29 - 30 - 37 - 47

48 - 49 - 51 - 52 - 53 - 59. - 61 - 63 - 71

on Senia.

76 - 80 - 81

Pond & W. Stark Co.

Plant no:

6-7-8-77

Woodland. H. Morton Co.

28-39-~~37~~-63-71-80

Davis Buttes

1. Woodsia obtusa (?) (Pteridophyta)

29-30-58-61-63-64-71-80-81

General.

11. - 12. - 14 - 15 - 16 - 20 - 26 - 28 - 29 - 30

41 - 42. - 43 - 44 - 45 - 47. - 48 - 49. - 61 - 63 - 71

91 -

Sand Pit

65-67

List of North Dakota Plants.

Pteridophyta - Polypodiaceae.

1. Cystopteris fragilis Bladder Fern.
2. Woodsia obtusa

Coniferophyta

Pinaceae

3. Juniperus communis var. depressa
   Dwarf Juniper
4. Juniperus scopulorum
   Rocky Mountain Juniper
5. Juniperus horizontalis
   Creeping Cedar.

Monocots.

Typhaceae

6 Typha latifolia - Broad leaved Cattail

Alismaceae

7. Alisma subcordatum - Water Plantain

8. Sagittaria cuneata - Arrowhead.

Gramineae

9. Agropyron cristatum Crested Wheatgrass

10. Agropyron smithii Western Wheatgrass
"Go-Back Grass."

11. Hordeum jubatum - Wild Barley,
"Foxtail."

12. Avena fatua - Wild Oat.

13. Avena sativa - Common oat

14. Stipa viridula - Feather Bunch Grass
Green Needlegrass

16. Stipa comata - Needle & Thread.

16 Buchloe dactyloides - Buffalo Grass

17. Spartina pectinata - Prairie Cordgrass

18. Bouteloua curtipendula - Side-Oats Grama

19. " gracilis Blue grama

~~20. Juncus~~

Juncaceae.

20. juncus sp.

Liliaceae

21. Fritillaria atropurpurea
Leopard Lilly

22. Yucca glauca - Yucca

23 Smilacina stellata
False Solomon's Seal

24. Polygonatum commutatum
Solomon's Seal

Iridaceæ

25. Sisyrinchium angustifolium
Blue-Eyed Grass.

Salicaceæ

26. Populus deltoides - Cottonwood

27. " tremuloides - Aspen.

Ulmaceæ -

28. Ulmus americana - American Elm

Polygonaceae - Buckwheat.

29 Eriogonum flavum
"Rock Buckwheat"
(illegible)

30. Eriogonum multiceps
"Clay Buckwheat."

31. Polygonum convolvus Wild Buckwheat.

32. Sarcobatus vermiculatus Greasewood.

Boraginaceae

33. Talinum parviflorum - Fame Flower.

Caryophyllaceae

34. Cerastium sessiliflora - Shallow-Pod.

Ranunculaceae

35. Clematis ligusticifolia
Western Virgin's Bower.

36. Thalictrum dasycarpum - Tall Meadowrue.

Papaveraceae

37. Argemone alba - White Prickly Poppy

Cupressaceae

38. Bolanisia graveolens
Clammy Weed.

Saxifragaceae

39. Ribes odoratum - Golden Currant

40. Heuchera richardsonii var. grayana
Alum Root.

Rosaceae.

41. Rosa arkansana - Prairie Wild Rose.

42. Amelanchier alnifolia Juneberry Service Berry, Saskatoon

43. Prunus virginiana - Choke cherry.

Fabaceae.

44. Melilotus alba - White Sweet Clover

45. Melilotus officinalis - Yellow Sweet Clover.

46. Glycyrhiza lepidota - Wild licorice

47. Psoralea esculenta - Tipsin; Indian Breadroot.

48. Petalostemum candidum - White Prairie Clover.

49. Petalostamum purpureum - Purple Prairie Clover

50. " P. villosum - Hairy Prairie Clover.

Linaceae

51. Linum lewisii Lewis' Wild Flax.

52. Linum sulcatum Grooved Flax

Polygalaceae

53 Polygala alba - White Milkwort

Anacardiaceae

54. Rhus trilobata 3 lf scented Sumac. Skunk Bush.

55 Rhus radicans - Poison Ivy

Aceraceae

56. Acer negundo

Vitaceae

57. Parthenocissus inserta
Virginia Creeper. Woodbine

Malvaceae

58. Sphaeralcea coccinea
Red Mallow

Loasaceae

59. Mentzelia decapetala Evening Star
Sonia Lilly

Cactaceae

60 Mamillaria vivipara Ball Cactus

61. Opuntia polycantha Cruelsly Bear.

62. Opuntia fragilis Brittle Cruelsly Bear.

Elaeagnaceae

63. Shepherdia argentea Buffalo Berry.

Onagraceae

64. Oenothera strigosa Common Evening Primrose

65 Oenothera nuttallii. White Stemmed Evening Primrose.

66. Oenothera caespitosa Butte Primrose "Gumbo lilly".

67. Oenothera serrulata Toothed-Leaved Evening Primrose

68. Gaura coccinea Honeysuckle
Waving Butterfly.

Umbelliferae
69. Anethum graveolens Dill

Cornaceae
70. Cornus stolonifera
Kinnikinnick. Red Osier

Oleaceae
71. Fraxinus pennsylvanica var.
lanceolata Green Ash.

Asclepiadaceae
Convolvulus
72 Convolvulus arvensis Field Bindweed
Creeping Jenny

Polemoniaceae

73. Phlox sp. either bifida or amplicola

Boraginaceae

74. Lappula echinata Blue Stickseed

Labiatae

75. Monarda fistulosa Wild Bergamot.

Solanaceae

76. Hyoscyamus niger Henbane

Scrophulariaceae

77. Hydranthelium rotundifolium
Water Hyssop

Plantaginaceae

78. Plantago purshii Pursh's Plaintain
Prairie Plantain

79. Plantago spinulosa Bracted Plaintain

Caprifoliaceae

80. Symphoricarpos occidentalis Wolfberry

Campanulaceae.

81. Campanula rotundifolia Bluebell
Harebell

Asteraceae

82. Liatris punctata Narrow-leaved
Blazing Star.

83. Grindelia squarrosa Gumweed

84. Chrysothamnus graveolens
Rabbitbrush.

85. Artemisia cana - Dwarf Sagebrush.

86. Lygodesmia juncea Skeleton Weed.

Polygonaceae

87 Polygonum natans Floating
Lady's Thumb

By B. A. Irvis.

Euphorbiaceae

87. Euphorbia esula Leafy Spurge.
88. Euphorbia geyeri Geyer Spurge.

Mustard Cruciferae

89. Thlaspidium lilacinum

Gramineae

90. Panicum capillare Witchgrass
91. Setaria lutescens Yellow Pigeongrass

1964

Plant.

H-4 S. ½ E ¼ Sec. 4 T 140 N R 90 W
Gentle Upland Slope Prairie 5 mi
n. of Hebron.
J. R. Hall Mem. Park.
Terrace below butte in badlands
Gaura coccinea on sand
at Burning Coal mine
Specimen H-5 at head of Cedar
Canyon in Badlands.
H-6 - White Butte in _____
Pea family in as low area
of clay outwash
H-7 - Crested Wheat Grass by roadside
H-8 at White Butte -
H-8 A stemisia Grass on bank
of road at wh. butte

H-9. Yellow composite in clay of a gulley at Hh. Butte

H-10 Eriogonum flavum - from butte slope of Hh. Butte

H-12 - Top of White Rock Butte S of Hh Butte

H-13 Yellow Composite on slope of White Butte

H-14 Composite

H-15 [illegible] from butte

Top NW¼ S. 32 T 13 N R. 17 W

H-16 - Mud Lake Limestone
Collected S. of Mt. Butte

H-17
Upland Basin slope at
at foot of butte in
Wilson River Co
SE 1/4 NE 1/4 Sec 27 T41N
R 8W.

Upper Coulee top

Rip Rush.

with cornus

Symph. or b

Thus far

Deer wood.

Bp Prairie.

Edge Is.

Juniperus Communis

Pit depth = 1'7"

1" litter

9½" humus

5" clay

loose, weathered flint in clay at one ft.

Brown clay goes from 5" down to 1'7"

Upper Soil

Pit depth = 2'7"

0-1" litter

1-3½" humus (black)

3½-1' clay (brown - streak of black or occassional pieces)

1'-1'7" there is a new horizon. Crumbled pieces of ls intermixed with ~~reddish-brown clay + very weathered~~ clay. Clay is ~~ls blocks~~ yellowish-brown in top 3".

Reddish-brown to bottom of the unit

1'7" to base of pit (2'7"): there are crumbled pieces of ls in a pit brownish-gray clay

0-1" sample 1

1-3.5' sample 2

6" - 3

10" - 4 sample 3 + 4 (more basic for it)

1'4" B sample 5
Zone seems slightly darker
than that above & occasionally B

C sample 6 2'

Corylus americana

[illegible]

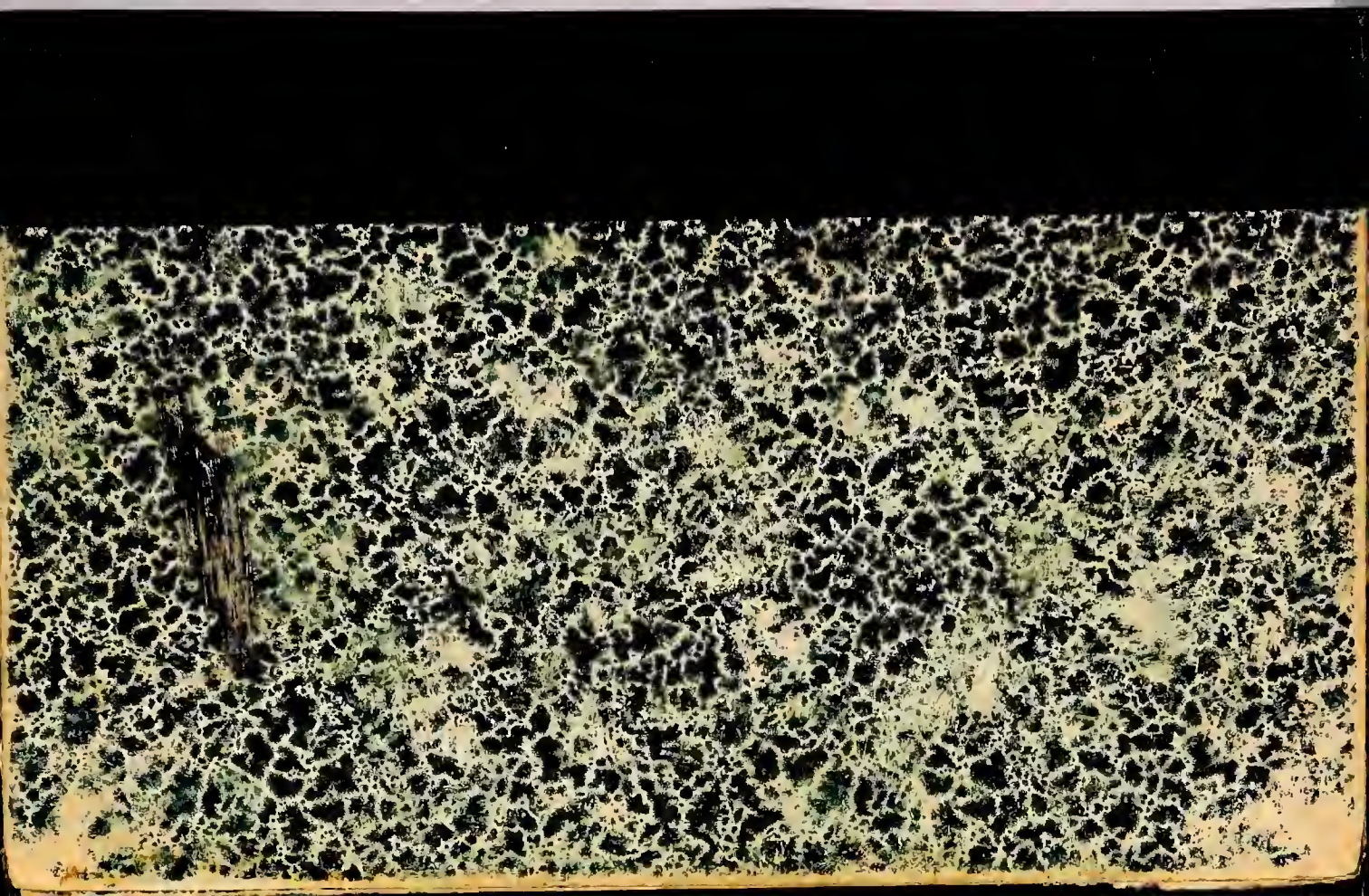
Beginners Guide To
Wild Flowers

By Ethel H. Kauffman

G. P. Putnam's Sons

N. Y.

Par

Cas Cos As G (2:1)

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